Recommended Tree Species for Boulder Last Updated Tuesday, 12 September 2006

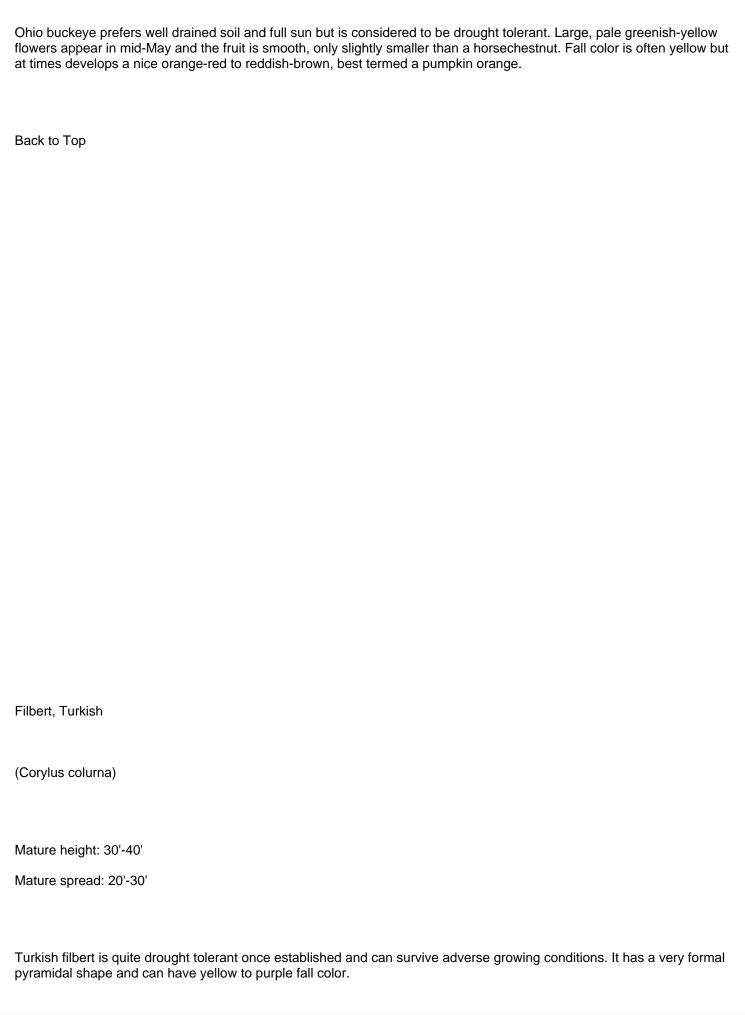
Boulder's microclimate and soils allow us to grow a wider variety of tree species than elsewhere along the Front Range. Traditionally, trees such as green ash, white ash, silver maple and blue spruce have been overplanted. The following is a list of alternative species that will do well in the Boulder area. There are exotic species that might do well but the following is a list of those species that are cold hardy, will do well in the Boulder area and are available locally in nurseries.
Small trees
Medium trees
Large tree
SMALL TREES Goldenraintree (Koelreuteria paniculata)
Mature height: 20'-30'
Mature spread 20'-30'
Goldenraintree is drought tolerant and adaptable to alkaline soil conditions. It has beautiful yellow flowers in July and requires a sunny location.
Back to Top

Hawthorn
(Crataegus spp.)
Mature height: 15'-25'
Mature spread: 15'-25'
Hawthorns have adaptable water requirements and tolerate alkaline soil conditions. They have beautiful white flowers in the spring and often turn bronze to red in the fall. Small, dark red fruit persist into the winter and are a preferred food source for birds.
Back to Top
Lilac, Japanese tree
(Syringa reticulata)
Mature height: 15'-25' Mature spread: 15'-25'
mature spread. 10-20

Japanese tree lilac is a small tree or large shrub that produces large, pyramidal clusters of small flowers during late spring. The fall color is a golden yellow.
Back to Top
Maple, Rocky Mountain
(Acer glabrum)
Mature height: 10'-20'
Mature spread: 10'-15
Rocky mountain maple is a native tree or large shrub with yellow fall color. Unlike other maples it can be grown in partial shade.
Back to Top
Maple, Tatarian
(Acer tataricum)
Mature Height: 15'- 20'
Mature Spread: 15'- 20'

Has a broad irregular form, similar to a ginnala maple, but more tolerant of both drought and alkaline soil conditions. In June the winged seeds are pink to red and the fall color can be a striking yellow to orange-red. Newer varieties are available with a more brilliant seed and fall color.
Back to Top
Maple, Wasatch / Bigtooth
(Acer grandidentatum)
Mature height: 10'-20'
Mature spread: 10'-15'
Wasatch maple is a very cold hardy native tree that is tolerant of dry or alkaline soil conditions. This maple has a striking fall color turning shades of yellow, orange or red.
Back to Top

Oak, Gambel
(Quercus gambelii)
Mature height: 8'-20'
Mature spread: 6'-12'
Gambel oak is a large shrub or small tree and a Colorado native. It is very cold hardy and can tolerate dry or alkaline soi conditions. The fall color is golden yellow in most years but occasionally turns orange to red.
Back to Top
MEDIUM TREES
Buckeye, Ohio
(Aesculus glabra)
Mature Height: 30'- 40' Mature Spread: 30'- 40'
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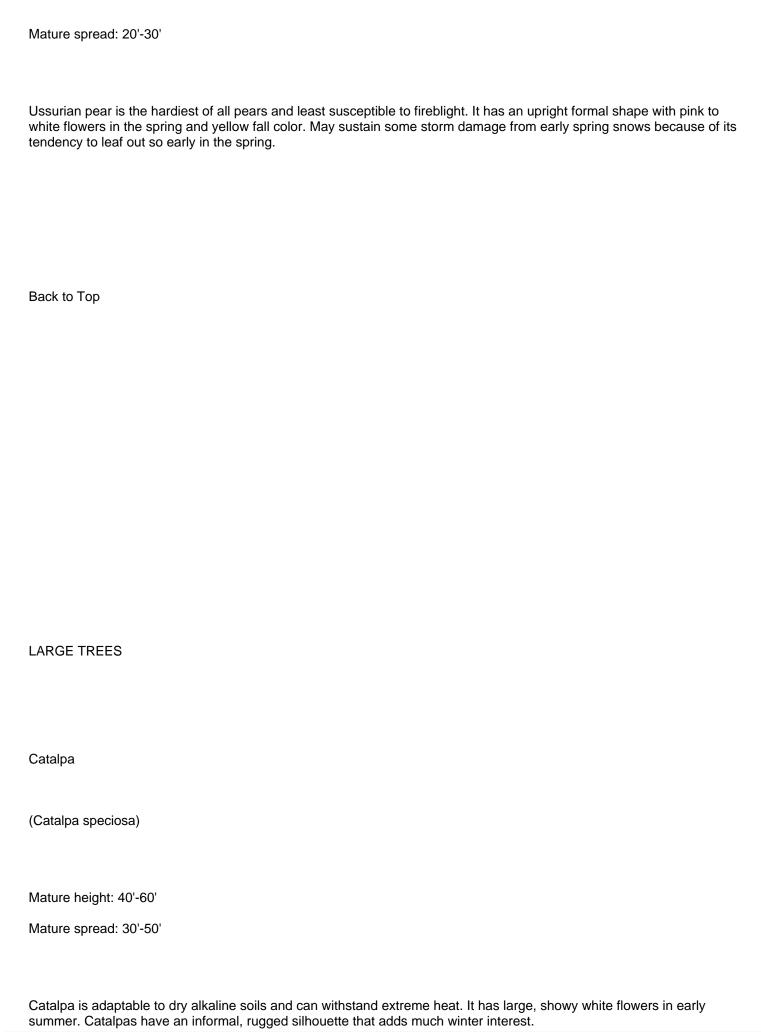


Back to Top

Hornbeam, European
(Carpinus betulus)
Mature height: 25'-35'
Mature spread: 15'-25'
European hornbeam has a very pyramidal shape that is excellent for screens, hedges or formal groupings. The bark and branches are a smooth, steel gray that adds interest to the landscape in the winter.
Back to Top
Linden, Littleleaf
(Tilia cordata)

Mature Height: 40'- 50'
Mature Spread: 30'- 35'
Littleleaf linden is tolerant of alkaline soils but requires a well-irrigated site. A densely pyramidal tree with small, heart shaped leaves and aromatic flowers in June to July. Young trees are subject to winter sunscald.
Back to Top
Maple, Hedge
(Acer campestre)
Mature height:
Mature spread:
Hedge maple is probably the best maple for dry, alkaline soils. The shape overall is rather informal but can be pruned to be more formal. Fall color is yellow.
Back to Top

Pear, Callery			
(Pyrus calleryana)			
Mature Height: 30'- 35'			
Mature Spread: 15'- 20'			
Most varieties of callery pear are considered to be ada to narrowly pyramidal form and are generally thornless flowers in early spring and red-purple fall color. & squo	and fruitless. Callery	pears consistently prod	uce nice, white
Back to Top			
Pear, Ussurian			
(Pyrus ussuriensis)			
Mature height: 20'-30'			



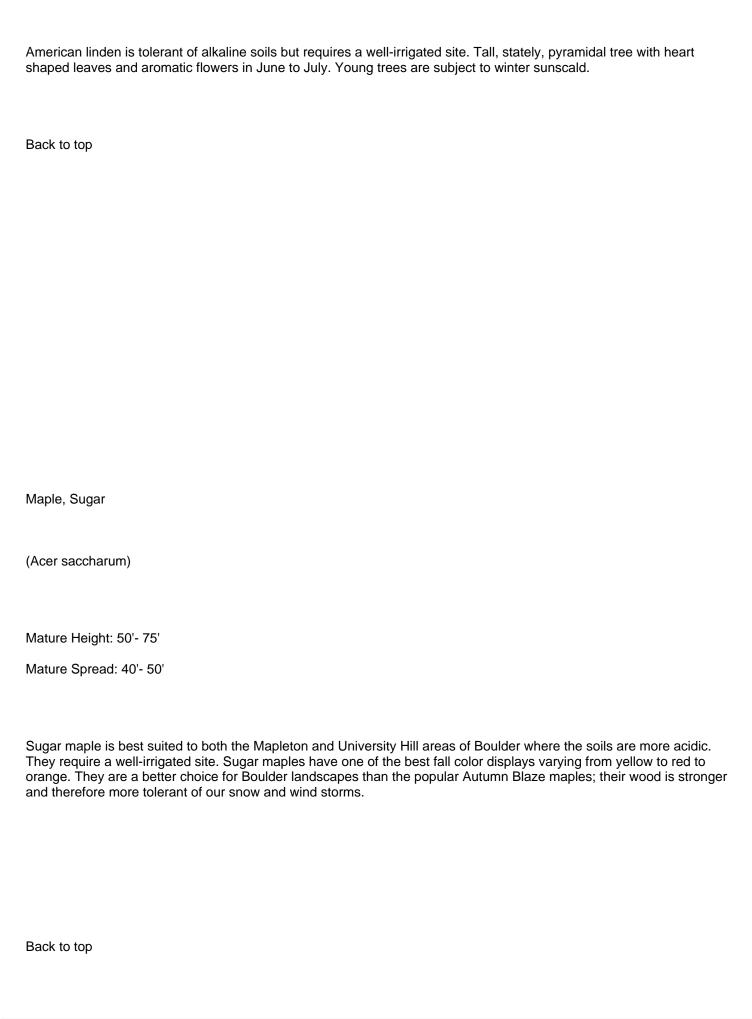
Back to top

Coffeetree, Kentucky
(Gymnocladus dioicus)
Mature height: 60'-70'
Mature spread: 40'-50'
Kentucky coffeetree is a very drought tolerant tree. Leaves emerge pinkish, becoming dark green, then golden yellow in
the fall.
Back to top

Hackberry
(Celtis occidentalis)
Mature height: 50'-60'
Mature spread: 40'-50'
Hackberry is a native tree that adapts to a wide range of soil conditions and is quite drought tolerant. It performs well under windy conditions. The trunk and older branches have narrow, corky ridges that add winter interest to the landscape. It produces small, reddish-purple fruit in the fall that attracts birds.
Back to top
Honeylocust
(Gleditsia triacanthos var. inermis)

Mature height: 40'-50'
Mature spread: 30'-40'
An open rounded tree with slightly arching branches turning upward at the ends. Rich green, small oval leaflets make up the light textured leaves that become a bright yellow in the fall. These varieties are both seedless and thornless.
Back to top
Horsechestnut

(Aesculus hippocastanum)
Mature Height: 50'- 75'
Mature Spread: 40'- 70'
Horsechestnut is adaptable to a wide range of soil conditions but prefers a well-drained soil and full sun. It has beautiful, large, white showy flowers in mid-May and 2" diameter spiny fruit. Can be a very large tree best suited for large yards.
Back to top
Linden , American
(Tilia americana)
Mature Height: 50'- 75'
Mature Spread: 40'- 50'

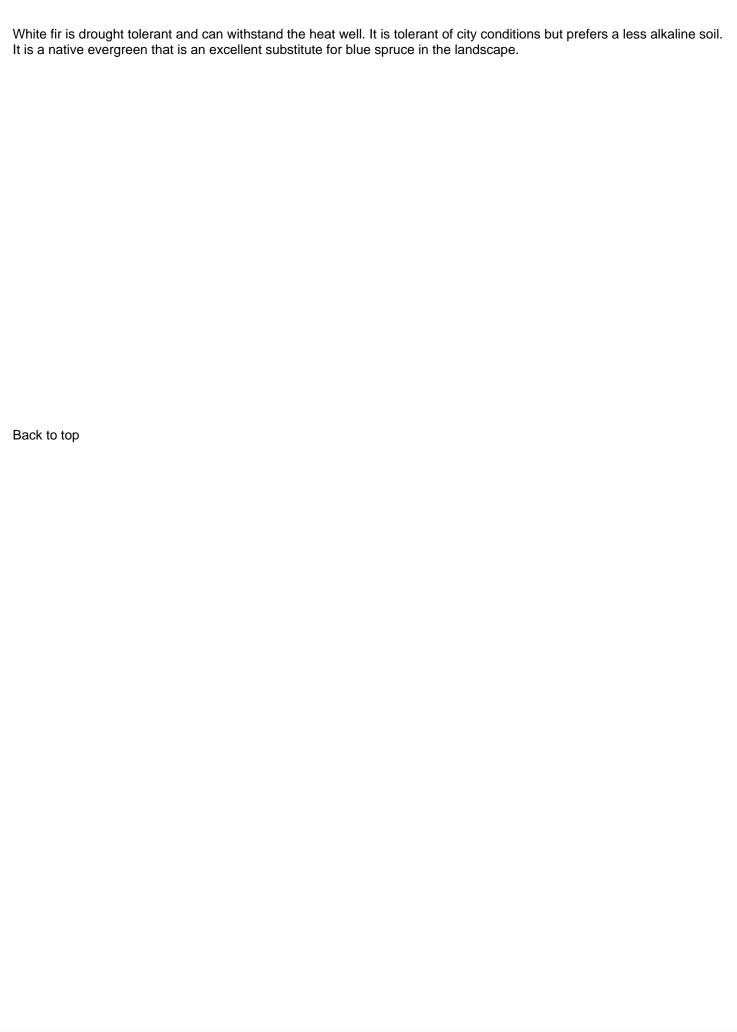


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Back to top

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Oak, Swamp white
(Quercus bicolor)
Mature height: 50'-60'
Mature spread: 50'-60'
Swamp white oak has an attractive reddish brown to gray bark that sheds in ragged, papery flakes when young. Leaves often turn a golden yellow in the fall.
Back to top
Fir, White
(Abies concolor)
Mature height: 40'-60'
Mature spread: 20'-30'



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Pine, Scotch
(Pinus sylvestris)
Mature height: 30'-50'
Mature spread: 20'- 30'
Scotch pine will grow in dry, poor sites. It has an open informal shape with a smooth, orange papery bark. It can be used as a specimen or in groupings.
Back to top
Pine, Southwestern white
(Pinus strobiformis)
Mature Height: 45'-60'
Mature Spread: 30'-40'
Southwestern white pine is native to extreme southwestern Colorado . This tree is surprisingly cold hardy and has soft, dark bluish green needles with cones averaging 6"-7" in length. It is an excellent evergreen that is underused in our landscapes.

Back to top
Consider using these alternative trees in your landscape. Most of the deciduous trees listed above are also appropriate for use as street trees. If you would like information on street tree plantings call the Parks and Recreation Forestry Section at 303-441-4406 (Monday - Friday, Hours: 7:00 AM to 3:30 PM).
Back to top
back to Urban Forestry main page